## **ANALYTICA CHIMICA ACTA**

An international journal devoted to all branches of analytical chemistry



(Full texts are incorporated in CJELSEVIER, a file in the Chemical Journals Online database available on STN International; Abstracted, indexed in: Aluminium Abstracts; Anal. Abstr.; Biol. Abstr.; BIOSIS; Chem. Abstr.; Curr. Contents Phys. Chem. Earth Sci.; Engineered Materials Abstracts; Excerpta Medica; Index Med.; Life Sci.; Mass Spectrum. Bull.; Material Business Alerts; Metals Abstracts; Sci. Citation Index)

VOL. 345 NO.1-3	CONTENTS	JUNE 20, 199
Letter		
Oligonucleotide analysis by capillary	zone electrophoresis at low pH te, Italy)	
Electroanalytical Chemistry and Sen	sors	
reactive AI(III)	ystem: potentiometry, voltammetry and application to the	
Purification and sensor applications	mpson, B. O'Sullivan and K.J. Powell (Christchurch, New 2 of an oxygen insensitive, thermophilic diaphorase	
	Cass (London, UK) and G. Palleschi (Rome, Italy) organic amines in aqueous phase based on a polysiloxar	
X.C. Zhou, S.C. Ng, H.S.O. Chan and	d S.F.Y. Li (Singapore)e determination of L-lactate in food samples	
M.J.F. Villamil, A.J.M. Ordieres and	P.T. Blanco (Oviedo, Spain)	
Y. Mishima, J. Motonaka and S. Ike	eda (Tokushima, Japan)ified carbon fiber electrodes for the electrocatalytic oxida	
H. Ju and D. Leech (Montréal, Qué Development of an "electrically wired non-diffusional redox osmium pol	e., Canada) " amperometric immunosensor for the determination of by ymer film containing an antibody to the enzyme label hor	51 Diotin based on a rseradish peroxidase
	R. O'Kennedy (Dublin, Ireland)	
A.M. Bond, P.J. Mahon, J. Schiewe	(Clayton, Australia) and V. Vicente-Beckett (Rockhampto	on, Australia) 67
Micelles		
I. Casero, D. Sicilia, S. Rubio and D.	based methodology for the determination of ionic surfact Pérez-Bendito (Córdoba, Spain)	
	imultaneous kinetic determination of pyridoxal and pyrid  D. Pérez-Bendito (Córdoba, Spain)	
Flow Analysis		
	ntal samples by SPLITT fractionation using different opera ), R. Beckett (Caulfield East, Australia) and J.C. Giddings (	

(Continued overleaf)

Chromatography	
Determination of the marker residue of albendazole in milk using ion-pair liquid chromatography and fluorescence detection	
D.J. Fletouris, N.A. Botsoglou, I.E. Psomas and A.I. Mantis (Thessaloniki, Greece)	111
Chemical characterization by pyrolysis/gas chromatography/mass spectrometry of acid-precipitable	
polymeric lignin (APPL) from wheat straw transformed by selected <i>streptomyces</i> strains	
J. Rodríguez, M.J. Hernández-Coronado, M. Hernández (Madrid, Spain), P. Bocchini, G.C. Galletti (Bologna, Italy) and	121
M.E. Arias (Madrid, Spain)	121
gas atmosphere	
T. Hiyama, T. Takahashi and K. Kamimura (Ibaraki, Japan)	131
Complex formation of 2-(5-nitro-2-pyridylazo)-5-(N-propyl-N-sulfopropylamino) phenol with lead, cadmium and	101
manganese for their sensitive spectrophotometric detection in flow injection and ion chromatography systems	
T. Yamane and Y. Yamaguchi (Kofu, Japan)	139
Liquid chromatography-amperometric detection of nitrite using a polypyrrole modified glassy carbon electrode doped	
with tungstodiphosphate anion	
Z. Liu, X. Xi, S. Dong and E. Wang (Jilin, China)	147
Determination of multicomponent dissolution profiles of pharmaceutical products by in situ fiber-optic UV measurements	
P.J. Gemperline (Greenville, NC, USA), J.H. Cho (Seoul, South Korea), B. Baker, B. Batchelor (Greenville, NC, USA)	
and D.S. Walker (Research Triangle Park, NC, USA)	155
Infrared Spectrometry	
Evaluation of extraction alternatives for Fourier transform infrared spectrometric determination of oil and greases in water	
Y. Daghbouche, S. Garrigues, A. Morales-Rubio and M. de la Guardia (Valencia, Spain)	161
Trace-level identity confirmation from infrared spectra by library searching and artificial neural networks	170
H.J. Luinge, E.D. Leussink (Utrecht, Netherlands) and T. Visser (Bilthoven, Netherlands)	173
Investigation of sources of variance which contribute to NIR-spectroscopic measurement of pharmaceutical formulations A. Candolfi, D.L. Massart (Brussels, Belgium) and S. Heuerding (Basel, Switzerland)	185
A. Caridoni, D.L. Massart (Brussels, Delgium) and S. Heuerding (Basel, Switzerland)	100
Ohamamatria	
Chemometrics A flexible computer-based technique for the analysis of data from a sea-going nutrient autoanalyser	
M.J. Whitehouse and M. Preston (Cambridge, UK)	197
W.G. Williamouse and W. Freston (Cambridge, OK)	107
Fluorimetry	
Competitive-binding assay method based on fluorescence quenching of ligands held in close proximity by	
a multivalent receptor	
R. Ballerstadt and J.S. Schultz (Pittsburgh, PA, USA)	203
Time-resolved fluorescence studies of the interaction of the Eu <sup>3+</sup> complexes of tetracycline analogues with DNA	
X.j. Liu, Yz. Li and Yx. Ci (Beijing, China)	213
Spectrophotometry	
Spectrophotometric assay for amidolytic activity of alkaline protease from Pseudomonas aeruginosa	
D. Louis, M. Kohlmann and J. Wallach (Villeurbanne, France)	219
Interaction of anions with arsenazo III-lanthanide (III) complexes	
E. Hosten and H. Rohwer (Port Elizabeth, South Africa)	227
Spectrophotometry of nucleic acids by their effect on the complex of cobalt(II) with	
4-[(5-chloro-2-pyridyl)azo]-1,3-diaminobenzene	
C.Z. Huang, K.A. Li and S.Y. Tong (Beijing, China)	235
Spectrophotometric and coulometric titration investigations of oxidation states and forms of ruthenium(IV) in hydrochloric	
acid solutions	040
D. Shouan (Kunming, China) and Y. Xiaoyun (Guangzhou, China)	243
Other Trade	
Other Topics  Final restriction of collection untake of collections (Co (N)) and Co (N)) and cotion of Co (N) and Co (N)	
Evaluation of selective uptake of selenium (Se(IV) and Se(VI)) and antimony (Sb(III) and Sb(V)) species by baker's yeast cell	5
(Saccharomyces cerevisiae)	040
T. Pérez-Corona, Y. Madrid and C. Cámara (Madrid, Spain)	249
Y.M. Biosca and G. Ramis-Ramos (Burjassot, Spain)	257
initio Diodoca and G. Harriso Harrisos (Darijassot, Opani)	231
Author Index	265

